

Attachment F
Applicable Requirements for facilities subject to 401 KAR 61:050, Existing storage vessels for petroleum liquids

All storage vessels for petroleum liquids which have storage capacity greater than 580 gallons and commenced before April 9, 1972 and which are located in a county or portion of a county which is designated ozone nonattainment, for any nonattainment classification except marginal, under State Regulation 401 KAR 51:010, Attainment status designations.

Storage Capacity [gallons]	True Vapor Pressure (TVP) [psia]	Applicable Requirements
greater than 40,000 gallons, and	$11.1 > TVP \geq 1.5$	Pursuant to 401 KAR 61:050 Section 3(1), the vessel shall be equipped with one of the following: 1) floating roof * 2) vapor recovery 3) equivalent emission controls
greater than 40,000 gallons, and	greater than 11.1 psia	Pursuant to 401 KAR 61:050 Section 3(2), the vessel shall be equipped with one of the following: 1) vapor recovery 2) equivalent emission controls
greater than 580 gallons, and	greater than or equal to 1.5 psia	Pursuant to 401 KAR 61:050 Section 3(3), as a minimum, the vessel shall be equipped with a permanent submerged fill pipe.

* If a floating roof is used to comply with 401 KAR 61:050 Section 3(1), the source must also operate in accordance with 401 KAR 61:050 Section 4(1) and (2); if the floating roof is external, the source must additionally operate in accordance with 401 KAR 61:050 Section 4(3))

Pursuant to 401 KAR 61:050 Section 3(4),** external floating roof tanks with a storage capacity greater than 40,000 gallons shall be fitted with a continuous secondary seal extending from the floating roof to the tank wall (a rim-mounted secondary seal) in the following cases:		
Vessel Construction	True Vapor Pressure (TVP) [psia]	Primary Seal Type
welded tank, and	greater than or equal to 4 psia, and	1) metallic-type shoe seal, a liquid-mounted foam seal, or a liquid-mounted liquid-filled type seal, or 2) any other closure device which can be demonstrated equivalent to the above primary seals
riveted tank, and	greater than or equal to 1.5 psia, and	NA
welded tank, and	greater than or equal to 1.5 psia, and	vapor-mounted***

** Exemptions from 401 KAR 61:050 Section 3(4) are provided in 401 KAR 61:050 Section 7, however, all vessels subject to the requirements of 401 KAR 61:050 Section 3(4) must also operate in accordance with 401 KAR 61:050 Section 4(1), (2) and (3).

*** Pursuant to 401 KAR 61:050 Section 3(4)(c), if the vapor-mounted primary seal can be demonstrated equivalent to a metallic-type shoe seal, a liquid-mounted foam seal, or a liquid-mounted liquid-filled type seal then the secondary seal is required only if the TVP is greater than or equal to 4 psia.